

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number  
**WO 2004/036974 A1**

(51) International Patent Classification<sup>7</sup>: **A01C 1/06**

(21) International Application Number:  
**PCT/KR2003/001891**

(22) International Filing Date:  
16 September 2003 (16.09.2003)

(25) Filing Language: **Korean**

(26) Publication Language: **English**

(30) Priority Data:  
10-2002-0065847 28 October 2002 (28.10.2002) KR

(71) Applicant and

(72) Inventor: **KIM, Seung-Hyun [KR/KR]; 1-803 Samsung Apt., Myeongnyun 2-dong, Wonju-si, Gangwon-do 220-042 (KR).**

(74) Agent: **LEE, Duck-Rog; YEiL Patent & Trademark International, YEiLPAT Bldg., 669-17, Yorksam-dong, Kangnam-ku, Seoul 135-915 (KR).**

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

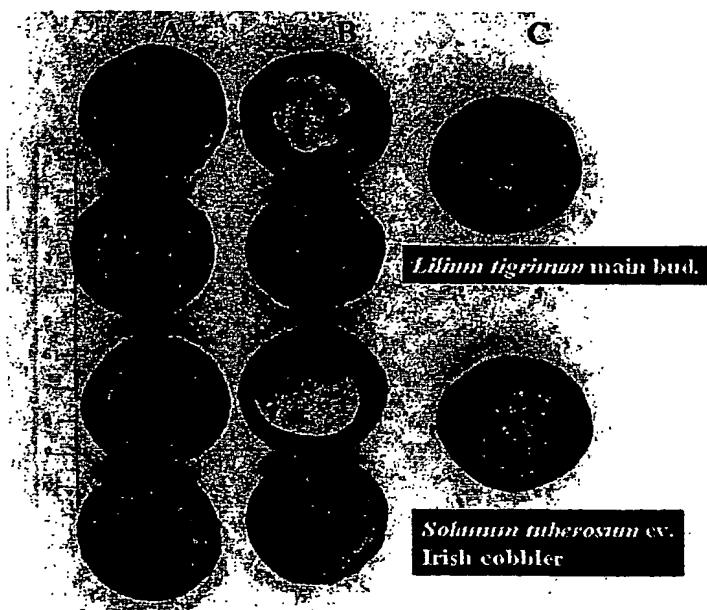
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

[Continued on next page]

(54) Title: A PELLET OF BULBOUS PLANTS, A METHOD OF PELLETIZATION AND A CULTIVATION METHOD OF PLANTS USING THE SAME



[Note]

A: preparing and drying pellet shape by dividing it into a lid and an entity

B: inserting the bulbous plants in the dried entity

C: covering and compressing them with the dried lid

(57) Abstract: The present invention relates to a pelletization method of bulbous plants that involves the mixing of fertilizer, plant growth regulator, bactericide and insecticide with peatmoss, compressing and forming a lid and an entity from the mixture, inserting the bulbous plants in the entity after drying the compressed mixture, covering them with the dried lid and compressing them to obtain the resulting pellet with the bulbous plants. The present invention makes it possible to create a pellet of bulbous plants that has excellent growth after emergence of leaf by preventing the physiological reaction of the bulb upon removal of water within a pellet. The pellet prepared by the pelletization method according to the present invention can also be made into be suited to bulbous plants for planting in size and shape and it is no longer necessary to cover with earth again after planting the bulb in a soil surface.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*